

**FEE TRANSMITTAL**

Electronic Version v08

Stylesheet Version v08.0

<b>Title of Invention</b>	DYNAMIC RANDOM ACCESS MEMORY WITH SMART REFRESH SCHEDULER
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Application Number :

Date :

First Named Applicant: Hoki Kim

Attorney Docket Number: FIS920030101

**TOTAL FEE AUTHORIZED \$ 790**

Patent fees are subject to annual revisions on or about October 1st of each year.

Filing as large entity

**BASIC FILING FEE**

Fee Description	Fee Code	Amount \$	Fee Paid \$
Utility Filing Fee	1001	750	750
Subtotal For Basic Filing Fees: \$ 750			

**EXTRA CLAIM FEES**

Fee Description	Extra Claim	Fee Code	Amount \$	Fee Paid \$
Total Claims : 20	0	1202	18	0
Independent Claims : 3	0	1201	84	0
Subtotal For Extra Claims Fees: \$ 0				

**ASSIGNMENT FEES**

Fee Description	Property Number	Quantity	Fee Code	Amount \$	Fee Paid \$
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	40	40
Subtotal For Additional Fees: \$40					

**AUTHORIZED BILLING INFORMATION**

**The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:**

Deposit account number: 090458

Deposit name: International Business Machines Corporation

Deposit authorized name: H. Daniel Schnurmann

Signature: H. Daniel Schnurmann / s /

Date (YYYYMMDD): 2003-07-15

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.